

ABSTRACT

An optical device, typically including an image receiving device such as a charged coupled device (CCD) array and an objective lens, is positioned oblique to an 5 object plane. The optical device ensures that the plane of the image receiving device, the plane of the object lens, and the object plane all intersect along a common line such that the entire object plane is in focus on the image receiving device. The positions of the image receiving device, the objective lens and/or the object plane can be manually or automatically adjusted. The invention is useful to obtain an enlarged, 10 focused image of a work piece that is disposed in a plane transverse, but not perpendicular, to the viewing axis of the optical device.